

Engineering and technology workforce

6.3 million people work in engineering and technology jobs in the UK, that's 19% of all jobs



Engineering and technology jobs predicted to grow in all UK regions between now and 2030 faster than other occupations

17% of the workforce in engineering and technology are women vs. 56% in other occupations



14% of the workforce in engineering and technology are disabled vs 18% in other occupations



25% of all job adverts are for engineering and technology roles

1 in 5 jobs in the UK are in engineering, yet engineering vacancies account for 1 in 4 adverts

48% increase in job adverts mentioning 'green skills'

55% increase in job adverts for 'green engineering jobs'

Up to **725K** new jobs are needed to support the transition to net zero



UK workforce breakdown

12% working as an engineer in the engineering and technology industry

10% working in the engineering and technology industry but not as an engineer

6% working as an engineer in a different sector

71% neither working as an engineer nor in the engineering and technology industry

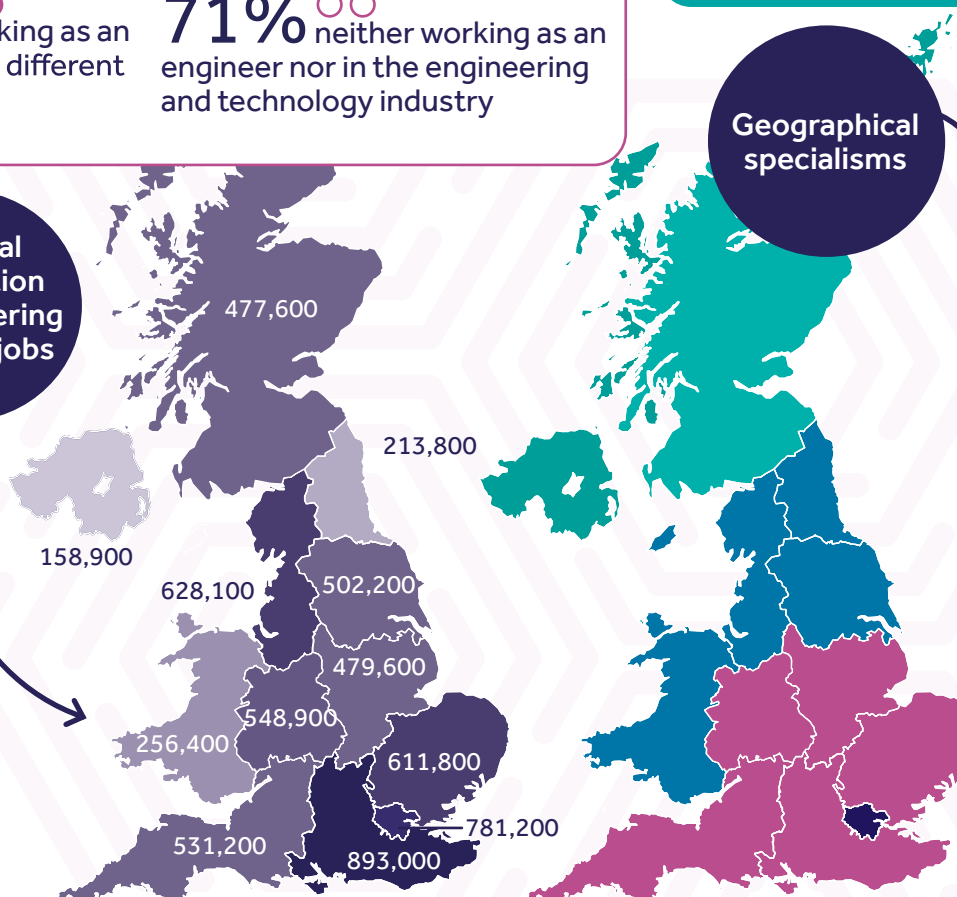
15% are from a minority ethnic background



18% in other occupations

Ethnicity	Engineering and technology occupations	All other occupations combined
Asian	8%	9%
Black	3%	6%
Mixed ethnic groups	2%	2%
Other ethnic groups	2%	2%
White	85%	82%

Regional distribution of engineering and tech jobs



Geographical specialisms

- Environment, energy and earth occupations
- Skilled trades, industrial and general operative roles
- Mechanical and electrical
- ICT and civil engineering roles

Over 6m engineering and technology professionals are employed in the UK. Jobs are predicted to grow but the industry faces skills shortages and lacks diversity, with women the most underrepresented group.

Interest in STEM careers

STEM Career	Girls	Boys
Science	44%	47%
Technology	23%	52%
Engineering	29%	63%
Maths	32%	45%

83% of students were more interested in engineering jobs because of The Big Bang Fair

31% of students were more interested in science, engineering and tech because of The Big Bang Fair

85% of STEM teachers recommend a career in engineering

19% of students were more interested in engineering careers because of Energy Quest

What students and teachers say